



Figure 1: Particle tracking results of a non-sorbing solute for a transport period of 30 years under ambient groundwater flow conditions (i.e., no on site pumping/injection activity). Panel (a): Same hydraulic and transport conditions used to simulate the transport scenario documented in the modeling updated report. Panel (b): same conditions as those for Panel (a) except that fault hydraulic conductivity was set to 0.57 ft/d. Panel (c): same conditions as those for Panel (a) except that transport porosity for Layers 5, 6 and 7 decreased 20% from the original values. The farthest particle migration in Panel (c) is approximately 600 ft further away in comparison with the farthest particle migration in Panel (a). Particles were placed in Model Layer 7 near the northern and western boundary lines (thick red lines) that denote the area for in situ copper recovery.